TEST REPORT

Report No.:	8233EU012101W2
Applicant:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address:	Bld.2,Yingfeng Industrial Zone,Tantou Community, Songgang Street, Baoan, Shenzhen, China
Product Name:	Wi-Fi/Bluetooth Module
Model No.:	AP6611S
Trademark:	N/A
FCC ID:	2ABC5-AP6611S
Test Standard(s):	47 CFR Part 15 Subpart C
Date of Receipt:	Sep. 22, 2024
Test Date:	Sep. 22, 2024 – Oct. 30, 2024
Date of Issue:	Oct. 30, 2024

ISSUED BY:

SHENZHEN EU TESTING LABORATORY LIMITED

SHENZHEN EU TESTING LABORATORY LIMITED APPROVED

Prepared by:	**Reviewed and Approved by:**
Mikey Zhu/ Engineer	Sally Zhang/ Manager

Revision Record

Report Version	Issued Date	Description	Status
V0	Oct. 30, 2024	Original	Valid

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Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

2 General Information

2.1 Applicant Information

Applicant	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address	Bld.2,Yingfeng Industrial Zone,Tantou Community, Songgang Street, Baoan, Shenzhen, China

2.2 Manufacturer Information

Manufacturer	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address	Bld.2,Yingfeng Industrial Zone,Tantou Community, Songgang Street, Baoan, Shenzhen, China

2.3 Factory Information

Factory	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.
Address	Bld.2,Yingfeng Industrial Zone,Tantou Community, Songgang Street, Baoan, Shenzhen, China

2.4 General Description of E.U.T.

Product Name	Wi-Fi/Bluetooth Module
Model No. Under Test	AP6611S
List Model No.	N/A
Description of Model differentiation	N/A
Rating(s)	From host system
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Test Sample No.	-1/2(Normal Sample), -2/2(Engineering Sample)
Hardware Version	N/A
Software Version	N/A
Remark	1) The above information is declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant. 2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.5 Technical Information of E.U.T.

Network and Wireless Connectivity	Bluetooth (BDR+EDR+BLE) WiFi 2.4G: 802.11b, 802.11g, 802.11n(HT20), 802.11ax (HEW20) WiFi 5G: 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80), and 802.11ax(HEW20/40/80) WiFi 6E: 802.11ax(HEW20/40/80) U-NII-1~3, U-NII-5~8

The requirement for the following technical information of the EUT was tested in this report:

Equipment Class	DTS_Digital Transmission System

Technology	**Bluetooth**
Operation Mode	☒ BLE
Modulation Type	GFSK
Operating Frequency	2402-2480MHz
Transfer Rate	1 Mbps, 2Mbps
Number of Channel	40
Antenna Type	PIFA Antenna
Antenna Gain(Peak)	2.73dBi (Refer to the detailed antenna information)
Remark	The above information is declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant.

Technology	**WiFi 2.4G**			
Operation Mode	☒ b	☒ g	☒ n(HT20)	☐ n(HT40)
	☐ ac(VHT20)	☐ ac(VHT40)	☒ ax(HEW20)	☐ ax(HEW40)
Operating Frequency	802.11b/g/n/ax(HT20): 2412MHz to 2462MHz			
Number of Channels	802.11b/g/n/ax(HT20): 11 Channels			
Modulation Technology	DSSS, OFDM, OFDMA			
Modulation Type	802.11b: DSSS(CCK, DQPSK, DBPSK); 802.11g: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n/ax(HT20 and HT40): OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)			
Antenna System (eg., MIMO, Smart Antenna)	N/A			
Categorization as Correlated or Completely Uncorrelated	N/A			
Antenna Type	PIFA Antenna			
Antenna Gain(Peak)	2.73dBi (Refer to the detailed antenna information)			
Remark	The above information is declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant.			

Antenna Information:

Ant.	Brand	Antenna Model No.	Antenna Gain (dBi)			
			Bluetooth	WiFi 2.4G	WiFi 5G	WiFi 6E
1	Shenzhen Yishengbang Technology Co., Ltd	SLK-YLD-3028A1-L-220I-B	2.47	2.47	**2.87**	2.52
2		SLK-YLD-3028A-L-320I-B	2.57	2.57	2.83	2.71
3		SLK-YLD-3028A-L-400I-B	1.92	1.92	2.85	**2.94**
4		SLK-YLD-3028B-R-350I-B	**2.73**	**2.73**	2.59	1.87

Note: The lab use Ant. 4 (Model No. SLK-YLD-3028B-R-350I-B) to conduct all tests focus on bluetooth and WiFi 2.4G function.

All channels were listed on the following tables:

- Bluetooth Low Energy (BLE):

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
00	**2402**	08	2418	16	2434	24	2450	32	2466
01	2404	09	2420	17	2436	25	2452	33	2468
02	2406	10	2422	18	2438	26	2454	34	2470
03	2408	11	2424	**19**	**2440**	27	2456	35	2472
04	2410	12	2426	20	2442	28	2458	36	2474
05	2412	13	2428	21	2444	29	2460	37	2476
06	2414	14	2430	22	2446	30	2462	38	2478
07	2416	15	2432	23	2448	31	2464	**39**	**2480**

- WiFi 2.4G:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

Modulation technology	Modulation Type	Transfer Rate (Mbps)(Single RF path)
DSSS (802.11b)	DBPSK	1
	DQPSK	2
	CCK	5.5/11
OFDM (802.11g)	BPSK	6/9
	QPSK	12/18
	16QAM	24/36
	64QAM	48/54
OFDM (802.11n-20 MHz)	BPSK	6.5/7.2
	QPSK	13/19.5/14.4/21.7
	16QAM	26/39/28.9/43.3
	64QAM	52/58.5/65/57.8/65/72.2
OFDM (802.11ax-20 MHz)	BPSK	6.5/7.2
	QPSK	13/19.5/14.4/21.7
	16QAM	26/39/28.9/43.3
	64QAM	52/58.5/65/57.8/65/72.2

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

3 Test Summary

3.1 Test Standard

The tests were performed according to following standards:

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional radiators of radio frequency equipment
2	ANSI C63.10-2020	American National Standard for Testing Unlicensed Wireless Devices
3	KDB Publication 558074 D01v05r02	Guidance for compliance measurements on digital transmission system, frequency hopping spread spectrum system, and hybrid system devices operating under section 15.247 of the FCC rules

Remark:
Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

3.2 Test Verdict

No.	Description	FCC Part No.	Verdict	Remark
1	Maximum Conducted Output Power	15.247(b)(3)	Pass	--
2	Radiated Spurious Emission	15.247(d)	Pass	--

Note [1]: This report is request a Class II Permissive Change (C2PC).
Note [2]: Compared with the original test reports of EUT: FR412210AA and FR412210AE which were issued by Sporton International Inc. Hsinchu Laboratory dated on May 02, 2024, the changes of EUT are as below:
1. Changed the antenna type from “Dipole” to “PIFA”, and the antenna gain value “2.73dBi” is lower than the original one “3.68dBi”.

All others are the same in electrical parameters and internal circuit structure. Therefore, pre-tested the conducted output power, the results are lower than or equal to the original value, so the test data were refer to the original reports.
Besides re-tested radiated spurious emissions and attached them in this report.

3.3 Test Laboratory

Test Laboratory	Shenzhen EU Testing Laboratory Limited
Address	101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Designation Number	CN1368
Test Firm Registration Number	952583

4 Test Configuration

4.1 Test Environment

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	30% to 60%	
Atmospheric Pressure	86 kPa to 106 kPa	
Temperature	NT (Normal Temperature)	+15℃ to +35℃
Working Voltage of the EUT	NV (Normal Voltage)	From host system

4.2 Test Equipment

Conducted Emission at AC power line					
Equipment	**Manufacturer**	**Model No**	**Serial No**	**Cal. Date**	**Cal. Due Date**
L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	EE-004	2024/01/09	2025/01/08
EMI Test Receiver	Rohde & Schwarz	ESCI	EE-005	2024/01/09	2025/01/08
Test Software	Ferrari Technology	EZ-EMC	EE-014	N.C.R	N.C.R

Radiated Emission and RF Test					
Equipment	**Manufacturer**	**Model No**	**Serial No**	**Cal Date**	**Cal Due Date**
EMI Test Receiver	ROHDE & SCHWARZ	ESPI	EE-006	2024/01/09	2025/01/08
Bilog Broadband Antenna	SCHWARZBECK	VULB 9163	EE-007	2023/01/14	2026/01/13
Double Ridged Horn Antenna	A-INFOMW	LB-10180-NF	EE-008	2023/01/12	2026/01/11
Pre-amplifier	Agilent	8447D	EE-009	2024/01/09	2025/01/08
Pre-amplifier	Agilent	8449B	EE-010	2024/01/09	2025/01/08
MXA Signal Analyzer	Agilent	N9020A	EE-011	2024/01/09	2025/01/08
MXG RF Vector Signal Generator	Agilent	N5182A	EE-012	2024/01/09	2025/01/08
Test Software	Farad	EZ-EMC	EE-015	N.C.R	N.C.R
MIMO Power Measurement Module	TSTPASS	TSPS 2023R	EE-016	2024/01/09	2025/01/08
RF Test Software	TSTPASS	TS32893 V2.0	EE-017	N.C.R	N.C.R
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	EE-402	2024/02/15	2025/02/14
Loop Antenna	TESEQ	HLA6121	EE-403	2024/02/15	2025/02/14
MXG RF Analog Signal Generator	Agilent	N5181A	EE-406	2024/02/15	2025/02/14
DRG Horn Antenna (up to 40GHz)	SCHWARZBECK	BBHA 9170	EE-410	2024/02/15	2025/02/14
Pre-amplifier	SKET	LNPA-1840-50	EE-411	2024/02/15	2025/02/14
Constant Temperature Humidity Chamber	Guangxin	GXP-401	ES-002	2024/07/30	2025/07/29
Power Sensor	ROHDE&SCHWARZN	NRP18S	ES-420	2024/02/15	2025/02/14

4.3 Description of Support Unit

No.	Title	Manufacturer	Model No.	Serial No.
1	---			

4.4 Test Mode

No.	Test Modes	Description
TM1	BT-LE(1Mbps)	Keep the EUT in continuously transmitting mode with GFSK modulation with 1 Mbps rate.
TM2	BT-LE(2Mbps)	Keep the EUT in continuously transmitting mode with GFSK modulation with 2 Mbps rate.
TM3	802.11b mode	Keep the EUT in 802.11b transmitting mode.
TM4	802.11g mode	Keep the EUT in 802.11g transmitting mode.
TM5	802.11ax(HEW20) mode	Keep the EUT in 802.11 ax(HEW20) transmitting mode.

4.5 Description of Calculation

4.5.1. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

4.5.2. Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where	CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

4.6 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test Item	Measurement Uncertainty
Conducted Emission	2.64 dB
Occupied Channel Bandwidth	2.8 %
RF output power, conducted	0.68 dB
Power Spectral Density, conducted	1.37 dB
Unwanted Emissions, conducted	1.84 dB
Radiated Emission (30MHz- 1GHz)	Ur = 2.70 dB (Horizontal)
	Ur = 2.70 dB (Vertical)
Radiated Emission (1GHz- 18GHz)	Ur = 3.50 dB (Horizontal)
	Ur = 3.50 dB (Vertical)
Radiated Emission (18GHz- 40GHz)	Ur = 5.15 dB (Horizontal)
	Ur = 5.24 dB (Vertical)
Temperature	0.8°C
Humidity	4%

4.7 Deviation from Standards

None.

4.8 Abnormalities from Standard Condition

None.

5 Test Items

5.1 Maximum Conducted Output Power

5.1.1 Test Requirement

Test Requirement	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Limit	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method	ANSI C63.10-2020 section 11.9

5.1.2 Test Setup Diagram

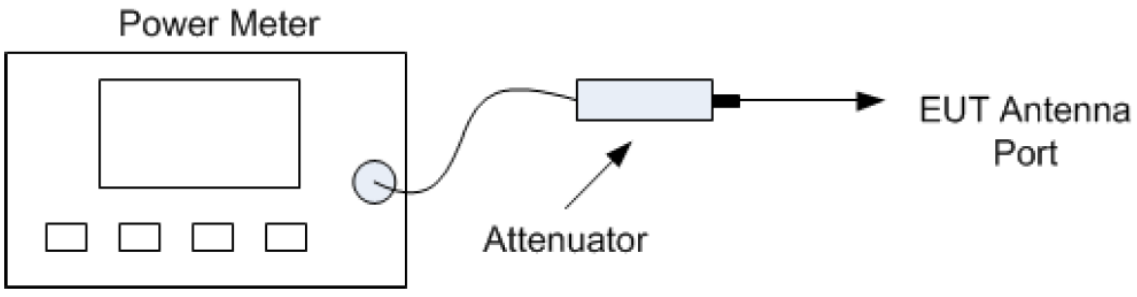

Figure 24—Example of a power meter conducted test setup

5.1.3 Test Procedure

The maximum average conducted output power may be measured using a broadband average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast responding diode detector.

5.1.4 Test Data

PASS.

The EUT is part of the C2PC program, pre-tested the conducted output power, the results are lower than or equal to the original value, so the test data were refer to the original reports.

Bluetooth Low Energy (BLE):

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	8.45	0.00700
BT-LE(2Mbps)	8.45	0.00700

Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
BT-LE (1Mpbs)	SISO	2402	8.45	<=30	Pass
		2440	7.99	<=30	Pass
		2480	8.09	<=30	Pass
BT-LE (2Mpbs)	SISO	2402	8.45	<=30	Pass
		2440	7.78	<=30	Pass
		2480	8.04	<=30	Pass
Note1: The antenna gain is 2.73dBi.					

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Tel: (86)-755-2357-9714 Email: Service@eu-test.com

WiFi 2.4G:
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b	22.81	0.19099
802.11g	21.13	0.12972
802.11ax (HEW20)	20.76	0.11912

Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	19.34	<=30	Pass
		2437	22.81	<=30	Pass
		2462	19.53	<=30	Pass
802.11g	SISO	2412	16.76	<=30	Pass
		2437	21.13	<=30	Pass
		2462	16.85	<=30	Pass
802.11ax (HEW20)	SISO	2412	16.60	<=30	Pass
		2437	20.76	<=30	Pass
		2462	15.27	<=30	Pass
Note1: The antenna gain is 2.73dBi.					

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5.2 Radiated Spurious Emissions

5.2.1 Test Requirement

<table>
<tr><td>Test Requirement</td><td>In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).</td></tr>
<tr><td>Test Limit</td><td>
<table>
<tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
<tr><td>88-216</td><td>150 **</td><td>3</td></tr>
<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
Note:
1) Field Strength (dBμV/m) = 20*log[Field Strength (μV/m)].
2) In the emission tables above, the tighter limit applies at the band edges.
3) For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
4) For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).
</td></tr>
<tr><td>Test Method</td><td>ANSI C63.10-2020 section 6.6.4</td></tr>
</table>

5.2.2 Test Setup Diagram

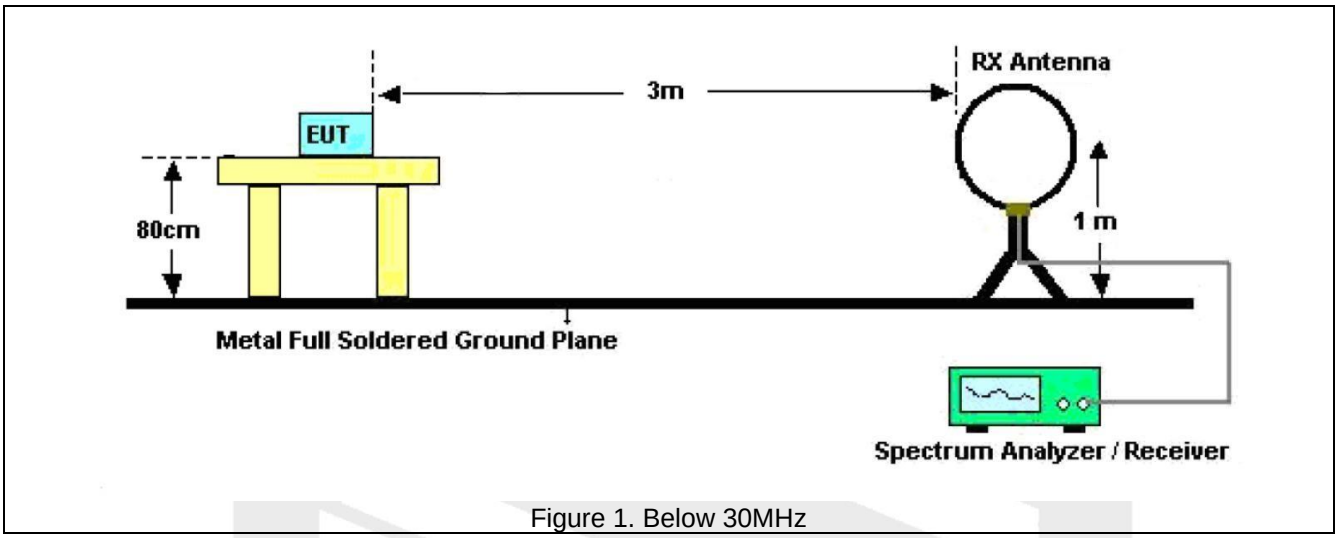


Figure 1. Below 30MHz

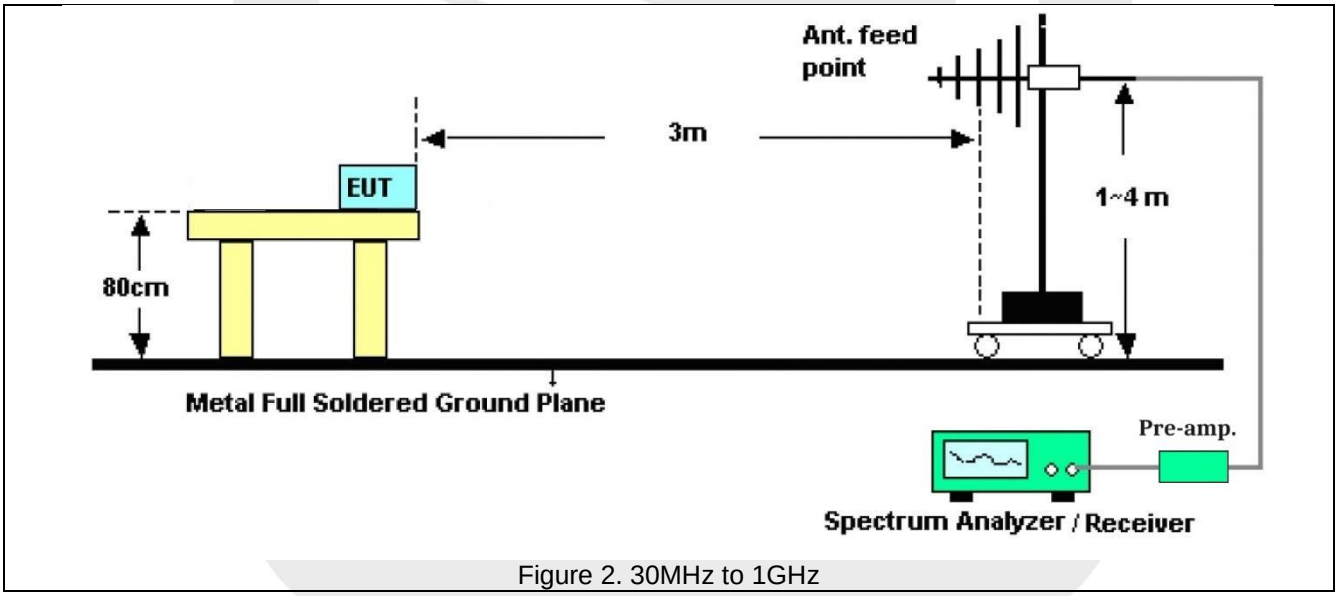


Figure 2. 30MHz to 1GHz

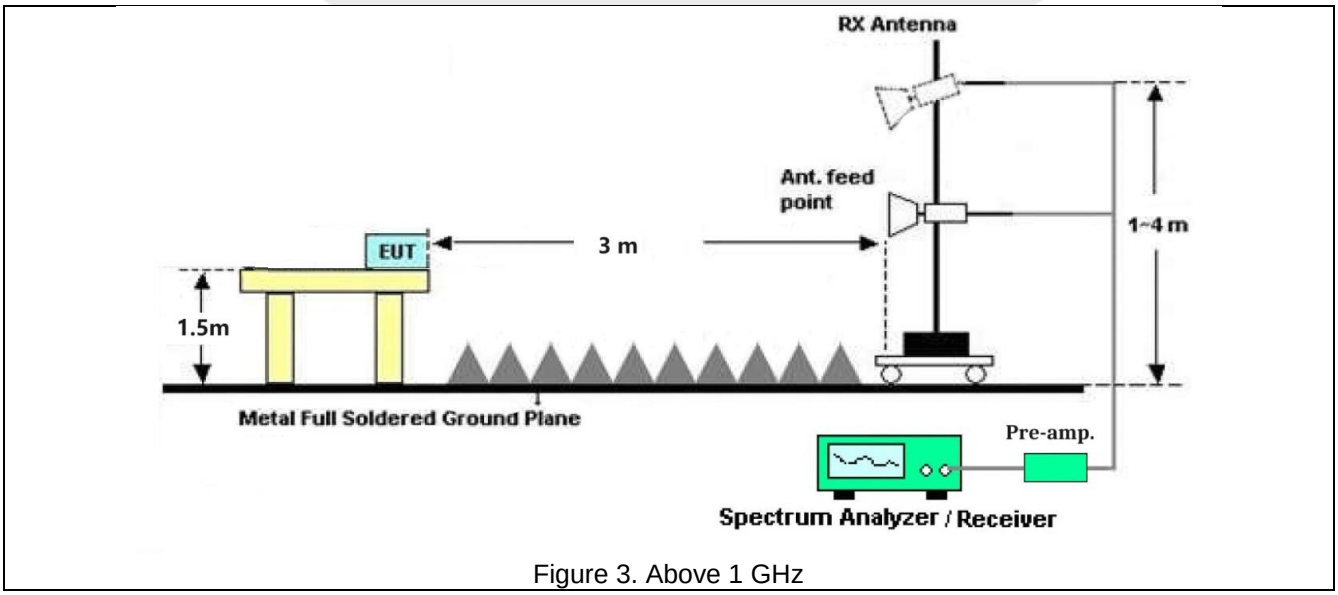


Figure 3. Above 1 GHz

5.2.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power.
Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.
The power of the EUT transmitting frequency should be ignored.
All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.
Use the following spectrum analyzer settings:
Span = wide enough to fully capture the emission being measured
For 9kHz to 150kHz, Set the spectrum analyzer as:
RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:
RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:
RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz, Set the spectrum analyzer as:
RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.
RBW =1MHz, VBW =10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.

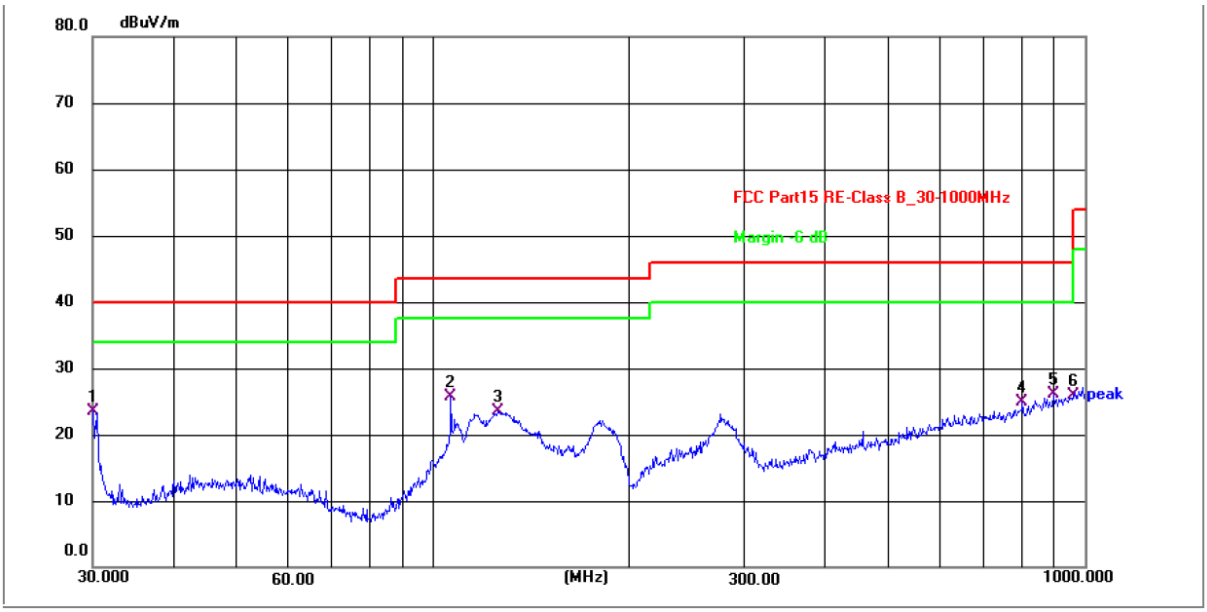
For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

5.2.4 Test Data

PASS.
Please to see the following pages.
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.
For test of 30MHz-1GHz, during the test, pre-scan all modes, only the worst case is recorded in the report.

Radiated Emission Test Data (30-1000MHz)

Test Site:	**966 Chamber #1**	**Polarization:**	**Horizontal**
Distance:	**3m**	**Test Mode:**	**TM4/ CH Middle**

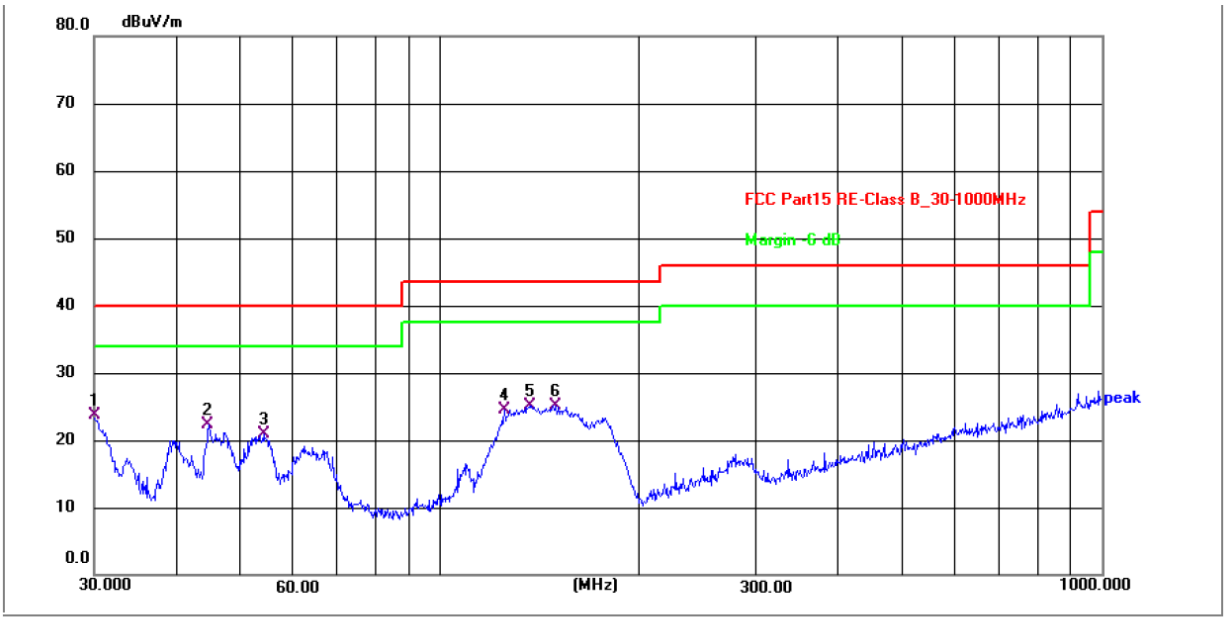


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	30.1054	40.49	-16.94	23.55	40.00	-16.45	QP	P	
2	106.3850	41.85	-16.10	25.75	43.50	-17.75	QP	P	
3	125.4457	40.66	-17.24	23.42	43.50	-20.08	QP	P	
4	801.7863	28.77	-3.94	24.83	46.00	-21.17	QP	P	
5	893.8567	28.26	-2.22	26.04	46.00	-19.96	QP	P	
6	958.7943	27.03	-1.16	25.87	46.00	-20.13	QP	P	

Note: Level = Reading + Factor Margin = Level - Limit

Radiated Emission Test Data (30-1000MHz)

Test Site:	**966 Chamber #1**	**Polarization:**	**Vertical**
Distance:	**3m**	**Test Mode:**	**TM4/ CH Middle**



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	30.0000	40.60	-16.94	23.66	40.00	-16.34	QP	P	
2	44.7433	36.55	-14.29	22.26	40.00	-17.74	QP	P	
3	54.0711	35.29	-14.45	20.84	40.00	-19.16	QP	P	
4	125.0066	41.78	-17.21	24.57	43.50	-18.93	QP	P	
5	136.9391	43.06	-17.92	25.14	43.50	-18.36	QP	P	
6	149.4857	43.86	-18.67	25.19	43.50	-18.31	QP	P	

Note: Level = Reading + Factor Margin = Level - Limit

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: BT-LE (1Mpbs)					CH Low: 2402 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4804.89	42.01	4.68	46.69	74.00	-27.31	PK	PASS
V	7206.23	35.50	9.84	45.34	74.00	-28.67	PK	PASS
V	9608.82	29.48	13.17	42.65	74.00	-31.35	PK	PASS
V	12010.14	*	*	*	74.00	*	PK	PASS
V	14412.53	*	*	*	74.00	*	PK	PASS
V	16814.86	*	*	*	74.00	*	PK	PASS
H	4804.70	41.71	4.68	46.39	74.00	-27.61	PK	PASS
H	7206.55	35.09	9.84	44.93	74.00	-29.08	PK	PASS
H	9608.52	29.83	13.17	43.00	74.00	-31.01	PK	PASS
H	12010.85	*	*	*	74.00	*	PK	PASS
H	14412.68	*	*	*	74.00	*	PK	PASS
H	16814.26	*	*	*	74.00	*	PK	PASS
V	4804.80	31.01	4.68	35.69	54.00	-18.31	AV	PASS
V	7206.73	23.84	9.84	33.68	54.00	-20.33	AV	PASS
V	9608.58	18.27	13.17	31.44	54.00	-22.57	AV	PASS
V	12010.77	*	*	*	54.00	*	AV	PASS
V	14412.92	*	*	*	54.00	*	AV	PASS
V	16814.98	*	*	*	54.00	*	AV	PASS
H	4804.10	32.23	4.68	36.91	54.00	-17.09	AV	PASS
H	7206.55	23.57	9.84	33.41	54.00	-20.59	AV	PASS
H	9608.52	17.62	13.17	30.79	54.00	-23.22	AV	PASS
H	12010.85	*	*	*	54.00	*	AV	PASS
H	14412.68	*	*	*	54.00	*	AV	PASS
H	16814.26	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: BT-LE (1Mpbs)					CH Middle: 2440 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4880.84	40.66	4.92	45.58	74.00	-28.42	PK	PASS
V	7320.79	35.00	9.83	44.83	74.00	-29.18	PK	PASS
V	9760.26	30.16	13.22	43.38	74.00	-30.62	PK	PASS
V	12200.15	*	*	*	74.00	*	PK	PASS
V	14640.87	*	*	*	74.00	*	PK	PASS
V	17080.34	*	*	*	74.00	*	PK	PASS
H	4880.93	40.95	4.92	45.87	74.00	-28.14	PK	PASS
H	7320.77	35.88	9.83	45.71	74.00	-28.30	PK	PASS
H	9760.42	30.52	13.22	43.74	74.00	-30.27	PK	PASS
H	12200.06	*	*	*	74.00	*	PK	PASS
H	14640.95	*	*	*	74.00	*	PK	PASS
H	17080.44	*	*	*	74.00	*	PK	PASS
V	4880.32	30.99	4.92	35.91	54.00	-18.10	AV	PASS
V	7320.25	23.70	9.83	33.53	54.00	-20.48	AV	PASS
V	9760.81	19.96	13.22	33.18	54.00	-20.82	AV	PASS
V	12200.11	*	*	*	54.00	*	AV	PASS
V	14640.76	*	*	*	54.00	*	AV	PASS
V	17080.48	*	*	*	54.00	*	AV	PASS
H	4880.93	32.05	4.92	36.97	54.00	-17.03	AV	PASS
H	7320.77	22.42	9.83	32.25	54.00	-21.75	AV	PASS
H	9760.42	18.09	13.22	31.31	54.00	-22.69	AV	PASS
H	12200.06	*	*	*	54.00	*	AV	PASS
H	14640.95	*	*	*	54.00	*	AV	PASS
H	17080.44	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: BT-LE (1Mpbs)					CH High: 2480 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4960.80	41.87	5.17	47.04	74.00	-26.97	PK	PASS
V	7440.86	35.35	9.83	45.18	74.00	-28.83	PK	PASS
V	9920.15	28.97	13.27	42.24	74.00	-31.76	PK	PASS
V	12400.26	*	*	*	74.00	*	PK	PASS
V	14880.84	*	*	*	74.00	*	PK	PASS
V	17360.33	*	*	*	74.00	*	PK	PASS
H	4960.99	41.93	5.17	47.10	74.00	-26.90	PK	PASS
H	7440.16	34.49	9.83	44.32	74.00	-29.68	PK	PASS
H	9920.48	28.70	13.27	41.97	74.00	-32.04	PK	PASS
H	12400.20	*	*	*	74.00	*	PK	PASS
H	14880.23	*	*	*	74.00	*	PK	PASS
H	17360.33	*	*	*	74.00	*	PK	PASS
V	4960.87	30.83	5.17	36.00	54.00	-18.00	AV	PASS
V	7440.82	22.74	9.83	32.57	54.00	-21.44	AV	PASS
V	9920.35	18.19	13.27	31.46	54.00	-22.54	AV	PASS
V	12400.02	*	*	*	54.00	*	AV	PASS
V	14880.66	*	*	*	54.00	*	AV	PASS
V	17360.91	*	*	*	54.00	*	AV	PASS
H	4960.99	30.70	5.17	35.87	54.00	-18.14	AV	PASS
H	7440.16	23.49	9.83	33.32	54.00	-20.69	AV	PASS
H	9920.48	17.21	13.27	30.48	54.00	-23.52	AV	PASS
H	12400.20	*	*	*	54.00	*	AV	PASS
H	14880.23	*	*	*	54.00	*	AV	PASS
H	17360.33	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: BT-LE (2Mpbs)					CH Low: 2402 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4804.48	40.39	4.68	45.07	74.00	-28.94	PK	PASS
V	7206.74	34.00	9.84	43.84	74.00	-30.16	PK	PASS
V	9608.88	30.14	13.17	43.31	74.00	-30.69	PK	PASS
V	12010.75	*	*	*	74.00	*	PK	PASS
V	14412.63	*	*	*	74.00	*	PK	PASS
V	16814.86	*	*	*	74.00	*	PK	PASS
H	4804.50	41.69	4.68	46.37	74.00	-27.64	PK	PASS
H	7206.39	35.51	9.84	45.35	74.00	-28.65	PK	PASS
H	9608.72	29.16	13.17	42.33	74.00	-31.67	PK	PASS
H	12010.29	*	*	*	74.00	*	PK	PASS
H	14412.83	*	*	*	74.00	*	PK	PASS
H	16814.24	*	*	*	74.00	*	PK	PASS
V	4804.59	31.83	4.68	36.51	54.00	-17.50	AV	PASS
V	7206.76	24.38	9.84	34.22	54.00	-19.79	AV	PASS
V	9608.29	17.98	13.17	31.15	54.00	-22.85	AV	PASS
V	12010.63	*	*	*	54.00	*	AV	PASS
V	14412.53	*	*	*	54.00	*	AV	PASS
V	16814.81	*	*	*	54.00	*	AV	PASS
H	4804.89	30.93	4.68	35.61	54.00	-18.39	AV	PASS
H	7206.39	22.90	9.84	32.74	54.00	-21.27	AV	PASS
H	9608.72	19.60	13.17	32.77	54.00	-21.23	AV	PASS
H	12010.29	*	*	*	54.00	*	AV	PASS
H	14412.83	*	*	*	54.00	*	AV	PASS
H	16814.24	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: BT-LE (2Mpbs)					CH Middle: 2440 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4880.93	41.99	4.92	46.91	74.00	-27.09	PK	PASS
V	7320.31	33.74	9.83	43.57	74.00	-30.43	PK	PASS
V	9760.53	29.56	13.22	42.78	74.00	-31.22	PK	PASS
V	12200.66	*	*	*	74.00	*	PK	PASS
V	14640.92	*	*	*	74.00	*	PK	PASS
V	17080.47	*	*	*	74.00	*	PK	PASS
H	4880.39	41.66	4.92	46.58	74.00	-27.43	PK	PASS
H	7320.65	33.83	9.83	43.66	74.00	-30.34	PK	PASS
H	9760.02	29.45	13.22	42.67	74.00	-31.34	PK	PASS
H	12200.57	*	*	*	74.00	*	PK	PASS
H	14640.40	*	*	*	74.00	*	PK	PASS
H	17080.60	*	*	*	74.00	*	PK	PASS
V	4880.68	30.75	4.92	35.67	54.00	-18.34	AV	PASS
V	7320.95	23.22	9.83	33.05	54.00	-20.96	AV	PASS
V	9760.25	17.57	13.22	30.79	54.00	-23.22	AV	PASS
V	12200.12	*	*	*	54.00	*	AV	PASS
V	14640.69	*	*	*	54.00	*	AV	PASS
V	17080.88	*	*	*	54.00	*	AV	PASS
H	4880.39	32.80	4.92	37.72	54.00	-16.28	AV	PASS
H	7320.65	22.57	9.83	32.40	54.00	-21.60	AV	PASS
H	9760.02	17.91	13.22	31.13	54.00	-22.88	AV	PASS
H	12200.57	*	*	*	54.00	*	AV	PASS
H	14640.40	*	*	*	54.00	*	AV	PASS
H	17080.60	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: BT-LE (2Mpbs)					CH High: 2480 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4960.58	41.78	5.17	46.95	74.00	-27.05	PK	PASS
V	7440.25	35.78	9.83	45.61	74.00	-28.39	PK	PASS
V	9920.60	29.97	13.27	43.24	74.00	-30.76	PK	PASS
V	12400.46	*	*	*	74.00	*	PK	PASS
V	14880.95	*	*	*	74.00	*	PK	PASS
V	17360.52	*	*	*	74.00	*	PK	PASS
H	4960.52	41.09	5.17	46.26	74.00	-27.75	PK	PASS
H	7440.24	33.91	9.83	43.74	74.00	-30.27	PK	PASS
H	9920.09	29.67	13.27	42.94	74.00	-31.07	PK	PASS
H	12400.22	*	*	*	74.00	*	PK	PASS
H	14880.78	*	*	*	74.00	*	PK	PASS
H	17360.50	*	*	*	74.00	*	PK	PASS
V	4960.80	32.97	5.17	38.14	54.00	-15.86	AV	PASS
V	7440.23	23.46	9.83	33.29	54.00	-20.72	AV	PASS
V	9920.81	17.82	13.27	31.09	54.00	-22.91	AV	PASS
V	12400.41	*	*	*	54.00	*	AV	PASS
V	14880.28	*	*	*	54.00	*	AV	PASS
V	17360.71	*	*	*	54.00	*	AV	PASS
H	4960.52	30.99	5.17	36.16	54.00	-17.85	AV	PASS
H	7440.24	24.61	9.83	34.44	54.00	-19.56	AV	PASS
H	9920.09	19.25	13.27	32.52	54.00	-21.48	AV	PASS
H	12400.22	*	*	*	54.00	*	AV	PASS
H	14880.78	*	*	*	54.00	*	AV	PASS
H	17360.50	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11b					CH Low: 2412 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4824.58	41.50	4.74	46.24	74.00	-27.77	PK	PASS
V	7236.32	33.96	9.84	43.80	74.00	-30.21	PK	PASS
V	9648.92	30.08	13.18	43.26	74.00	-30.74	PK	PASS
V	12060.44	*	*	*	74.00	*	PK	PASS
V	14472.44	*	*	*	74.00	*	PK	PASS
V	16884.08	*	*	*	74.00	*	PK	PASS
H	4824.48	40.16	4.74	44.90	74.00	-29.11	PK	PASS
H	7236.26	34.70	9.84	44.54	74.00	-29.47	PK	PASS
H	9648.49	29.56	13.18	42.74	74.00	-31.27	PK	PASS
H	12060.89	*	*	*	74.00	*	PK	PASS
H	14472.18	*	*	*	74.00	*	PK	PASS
H	16884.85	*	*	*	74.00	*	PK	PASS
V	4824.09	30.01	4.74	34.75	54.00	-19.26	AV	PASS
V	7236.14	24.56	9.84	34.40	54.00	-19.61	AV	PASS
V	9648.02	17.38	13.18	30.56	54.00	-23.44	AV	PASS
V	12060.84	*	*	*	54.00	*	AV	PASS
V	14472.16	*	*	*	54.00	*	AV	PASS
V	16884.53	*	*	*	54.00	*	AV	PASS
H	4824.79	30.88	4.74	35.62	54.00	-18.38	AV	PASS
H	7236.26	22.90	9.84	32.74	54.00	-21.27	AV	PASS
H	9648.49	18.79	13.18	31.97	54.00	-22.04	AV	PASS
H	12060.89	*	*	*	54.00	*	AV	PASS
H	14472.18	*	*	*	54.00	*	AV	PASS
H	16884.85	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11b					CH Middle: 2437 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4874.81	41.17	4.90	46.07	74.00	-27.94	PK	PASS
V	7311.31	34.90	9.83	44.73	74.00	-29.28	PK	PASS
V	9748.83	30.55	13.21	43.76	74.00	-30.25	PK	PASS
V	12185.36	*	*	*	74.00	*	PK	PASS
V	14622.87	*	*	*	74.00	*	PK	PASS
V	17059.75	*	*	*	74.00	*	PK	PASS
H	4874.23	42.99	4.90	47.89	74.00	-26.11	PK	PASS
H	7311.07	35.46	9.83	45.29	74.00	-28.72	PK	PASS
H	9748.66	29.86	13.21	43.07	74.00	-30.93	PK	PASS
H	12185.86	*	*	*	74.00	*	PK	PASS
H	14622.82	*	*	*	74.00	*	PK	PASS
H	17059.69	*	*	*	74.00	*	PK	PASS
V	4874.45	31.65	4.90	36.55	54.00	-17.46	AV	PASS
V	7311.21	22.81	9.83	32.64	54.00	-21.37	AV	PASS
V	9748.60	17.43	13.21	30.64	54.00	-23.37	AV	PASS
V	12185.09	*	*	*	54.00	*	AV	PASS
V	14622.65	*	*	*	54.00	*	AV	PASS
V	17059.18	*	*	*	54.00	*	AV	PASS
H	4874.23	31.67	4.90	36.57	54.00	-17.43	AV	PASS
H	7311.07	24.31	9.83	34.14	54.00	-19.86	AV	PASS
H	9748.66	18.65	13.21	31.86	54.00	-22.14	AV	PASS
H	12185.86	*	*	*	54.00	*	AV	PASS
H	14622.82	*	*	*	54.00	*	AV	PASS
H	17059.69	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11b					CH High: 2462 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4924.22	42.04	5.05	47.09	74.00	-26.91	PK	PASS
V	7386.03	35.52	9.83	45.35	74.00	-28.65	PK	PASS
V	9848.49	28.84	13.24	42.08	74.00	-31.92	PK	PASS
V	12310.10	*	*	*	74.00	*	PK	PASS
V	14772.67	*	*	*	74.00	*	PK	PASS
V	17234.71	*	*	*	74.00	*	PK	PASS
H	4924.48	42.56	5.05	47.61	74.00	-26.40	PK	PASS
H	7386.14	33.79	9.83	43.62	74.00	-30.38	PK	PASS
H	9848.12	28.60	13.24	41.84	74.00	-32.16	PK	PASS
H	12310.03	*	*	*	74.00	*	PK	PASS
H	14772.76	*	*	*	74.00	*	PK	PASS
H	17234.48	*	*	*	74.00	*	PK	PASS
V	4924.78	31.30	5.05	36.35	54.00	-17.66	AV	PASS
V	7386.81	22.07	9.83	31.90	54.00	-22.10	AV	PASS
V	9848.53	19.84	13.24	33.08	54.00	-20.93	AV	PASS
V	12310.05	*	*	*	54.00	*	AV	PASS
V	14772.58	*	*	*	54.00	*	AV	PASS
V	17234.10	*	*	*	54.00	*	AV	PASS
H	4924.48	31.79	5.05	36.84	54.00	-17.17	AV	PASS
H	7386.14	23.83	9.83	33.66	54.00	-20.35	AV	PASS
H	9848.12	17.46	13.24	30.70	54.00	-23.30	AV	PASS
H	12310.03	*	*	*	54.00	*	AV	PASS
H	14772.76	*	*	*	54.00	*	AV	PASS
H	17234.48	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11g					CH Low: 2412 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4824.78	42.62	4.74	47.36	74.00	-26.64	PK	PASS
V	7236.52	33.23	9.84	43.07	74.00	-30.94	PK	PASS
V	9648.41	29.93	13.18	43.11	74.00	-30.90	PK	PASS
V	12060.75	*	*	*	74.00	*	PK	PASS
V	14472.23	*	*	*	74.00	*	PK	PASS
V	16884.56	*	*	*	74.00	*	PK	PASS
H	4824.35	40.85	4.74	45.59	74.00	-28.41	PK	PASS
H	7236.06	35.12	9.84	44.96	74.00	-29.05	PK	PASS
H	9648.40	28.27	13.18	41.45	74.00	-32.56	PK	PASS
H	12060.34	*	*	*	74.00	*	PK	PASS
H	14472.42	*	*	*	74.00	*	PK	PASS
H	16884.56	*	*	*	74.00	*	PK	PASS
V	4824.02	31.61	4.74	36.35	54.00	-17.66	AV	PASS
V	7236.34	22.25	9.84	32.09	54.00	-21.91	AV	PASS
V	9648.68	18.54	13.18	31.72	54.00	-22.28	AV	PASS
V	12060.38	*	*	*	54.00	*	AV	PASS
V	14472.10	*	*	*	54.00	*	AV	PASS
V	16884.44	*	*	*	54.00	*	AV	PASS
H	4824.76	32.18	4.74	36.92	54.00	-17.09	AV	PASS
H	7236.06	24.09	9.84	33.93	54.00	-20.07	AV	PASS
H	9648.40	19.04	13.18	32.22	54.00	-21.78	AV	PASS
H	12060.34	*	*	*	54.00	*	AV	PASS
H	14472.42	*	*	*	54.00	*	AV	PASS
H	16884.56	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11g					CH Middle: 2437 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4874.81	40.92	4.90	45.82	74.00	-28.18	PK	PASS
V	7311.08	34.37	9.83	44.20	74.00	-29.80	PK	PASS
V	9748.81	29.88	13.21	43.09	74.00	-30.92	PK	PASS
V	12185.39	*	*	*	74.00	*	PK	PASS
V	14622.64	*	*	*	74.00	*	PK	PASS
V	17059.33	*	*	*	74.00	*	PK	PASS
H	4874.76	41.56	4.90	46.46	74.00	-27.55	PK	PASS
H	7311.60	35.25	9.83	45.08	74.00	-28.93	PK	PASS
H	9748.94	30.12	13.21	43.33	74.00	-30.68	PK	PASS
H	12185.82	*	*	*	74.00	*	PK	PASS
H	14622.04	*	*	*	74.00	*	PK	PASS
H	17059.90	*	*	*	74.00	*	PK	PASS
V	4874.09	32.51	4.90	37.41	54.00	-16.59	AV	PASS
V	7311.07	22.49	9.83	32.32	54.00	-21.68	AV	PASS
V	9748.87	17.97	13.21	31.18	54.00	-22.83	AV	PASS
V	12185.39	*	*	*	54.00	*	AV	PASS
V	14622.74	*	*	*	54.00	*	AV	PASS
V	17059.00	*	*	*	54.00	*	AV	PASS
H	4874.76	30.33	4.90	35.23	54.00	-18.78	AV	PASS
H	7311.60	23.04	9.83	32.87	54.00	-21.13	AV	PASS
H	9748.94	17.36	13.21	30.57	54.00	-23.44	AV	PASS
H	12185.82	*	*	*	54.00	*	AV	PASS
H	14622.04	*	*	*	54.00	*	AV	PASS
H	17059.90	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11g					CH High: 2462 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4924.75	42.71	5.05	47.76	74.00	-26.25	PK	PASS
V	7386.54	34.87	9.83	44.70	74.00	-29.30	PK	PASS
V	9848.62	30.86	13.24	44.10	74.00	-29.91	PK	PASS
V	12310.72	*	*	*	74.00	*	PK	PASS
V	14772.09	*	*	*	74.00	*	PK	PASS
V	17234.80	*	*	*	74.00	*	PK	PASS
H	4924.39	40.67	5.05	45.72	74.00	-28.29	PK	PASS
H	7386.97	34.87	9.83	44.70	74.00	-29.30	PK	PASS
H	9848.56	28.08	13.24	41.32	74.00	-32.68	PK	PASS
H	12310.30	*	*	*	74.00	*	PK	PASS
H	14772.99	*	*	*	74.00	*	PK	PASS
H	17234.01	*	*	*	74.00	*	PK	PASS
V	4924.49	31.55	5.05	36.60	54.00	-17.40	AV	PASS
V	7386.96	24.82	9.83	34.65	54.00	-19.35	AV	PASS
V	9848.02	19.94	13.24	33.18	54.00	-20.82	AV	PASS
V	12310.64	*	*	*	54.00	*	AV	PASS
V	14772.66	*	*	*	54.00	*	AV	PASS
V	17234.68	*	*	*	54.00	*	AV	PASS
H	4924.39	31.96	5.05	37.01	54.00	-16.99	AV	PASS
H	7386.97	24.95	9.83	34.78	54.00	-19.22	AV	PASS
H	9848.56	17.38	13.24	30.62	54.00	-23.39	AV	PASS
H	12310.30	*	*	*	54.00	*	AV	PASS
H	14772.99	*	*	*	54.00	*	AV	PASS
H	17234.01	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11ax(HEW20)					CH Low: 2412 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4824.78	42.84	4.74	47.58	74.00	-26.43	PK	PASS
V	7236.70	34.52	9.84	44.36	74.00	-29.65	PK	PASS
V	9648.12	28.76	13.18	41.94	74.00	-32.06	PK	PASS
V	12060.56	*	*	*	74.00	*	PK	PASS
V	14472.09	*	*	*	74.00	*	PK	PASS
V	16884.71	*	*	*	74.00	*	PK	PASS
H	4824.74	42.87	4.74	47.61	74.00	-26.39	PK	PASS
H	7236.30	34.01	9.84	43.85	74.00	-30.15	PK	PASS
H	9648.36	28.45	13.18	41.63	74.00	-32.37	PK	PASS
H	12060.13	*	*	*	74.00	*	PK	PASS
H	14473.00	*	*	*	74.00	*	PK	PASS
H	16884.05	*	*	*	74.00	*	PK	PASS
V	4824.49	32.89	4.74	37.63	54.00	-16.37	AV	PASS
V	7236.95	22.58	9.84	32.42	54.00	-21.59	AV	PASS
V	9648.32	19.34	13.18	32.52	54.00	-21.48	AV	PASS
V	12060.96	*	*	*	54.00	*	AV	PASS
V	14472.46	*	*	*	54.00	*	AV	PASS
V	16884.16	*	*	*	54.00	*	AV	PASS
H	4824.22	31.33	4.74	36.07	54.00	-17.94	AV	PASS
H	7236.30	23.17	9.84	33.01	54.00	-21.00	AV	PASS
H	9648.36	17.26	13.18	30.44	54.00	-23.57	AV	PASS
H	12060.13	*	*	*	54.00	*	AV	PASS
H	14473.00	*	*	*	54.00	*	AV	PASS
H	16884.05	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11ax(HEW20)					CH Middle: 2437 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4874.59	40.36	4.90	45.26	74.00	-28.75	PK	PASS
V	7311.12	35.52	9.83	45.35	74.00	-28.66	PK	PASS
V	9748.28	28.87	13.21	42.08	74.00	-31.92	PK	PASS
V	12185.21	*	*	*	74.00	*	PK	PASS
V	14622.22	*	*	*	74.00	*	PK	PASS
V	17059.35	*	*	*	74.00	*	PK	PASS
H	4874.70	41.91	4.90	46.81	74.00	-27.19	PK	PASS
H	7311.95	35.62	9.83	45.45	74.00	-28.55	PK	PASS
H	9748.34	29.03	13.21	42.24	74.00	-31.76	PK	PASS
H	12185.82	*	*	*	74.00	*	PK	PASS
H	14622.38	*	*	*	74.00	*	PK	PASS
H	17059.50	*	*	*	74.00	*	PK	PASS
V	4874.74	31.26	4.90	36.16	54.00	-17.85	AV	PASS
V	7311.92	23.51	9.83	33.34	54.00	-20.67	AV	PASS
V	9748.45	17.72	13.21	30.93	54.00	-23.08	AV	PASS
V	12185.96	*	*	*	54.00	*	AV	PASS
V	14622.23	*	*	*	54.00	*	AV	PASS
V	17059.23	*	*	*	54.00	*	AV	PASS
H	4874.70	31.79	4.90	36.69	54.00	-17.31	AV	PASS
H	7311.95	23.63	9.83	33.46	54.00	-20.54	AV	PASS
H	9748.34	19.27	13.21	32.48	54.00	-21.53	AV	PASS
H	12185.82	*	*	*	54.00	*	AV	PASS
H	14622.38	*	*	*	54.00	*	AV	PASS
H	17059.50	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-40GHz)

Test Mode: 802.11ax(HEW20)					CH High: 2462 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4924.88	41.72	5.05	46.77	74.00	-27.23	PK	PASS
V	7386.71	35.18	9.83	45.01	74.00	-28.99	PK	PASS
V	9848.95	30.58	13.24	43.82	74.00	-30.19	PK	PASS
V	12310.38	*	*	*	74.00	*	PK	PASS
V	14772.54	*	*	*	74.00	*	PK	PASS
V	17234.86	*	*	*	74.00	*	PK	PASS
H	4924.70	41.02	5.05	46.07	74.00	-27.93	PK	PASS
H	7386.32	34.67	9.83	44.50	74.00	-29.51	PK	PASS
H	9848.94	29.10	13.24	42.34	74.00	-31.67	PK	PASS
H	12310.42	*	*	*	74.00	*	PK	PASS
H	14772.95	*	*	*	74.00	*	PK	PASS
H	17234.66	*	*	*	74.00	*	PK	PASS
V	4924.21	31.52	5.05	36.57	54.00	-17.43	AV	PASS
V	7386.78	24.52	9.83	34.35	54.00	-19.65	AV	PASS
V	9848.59	19.46	13.24	32.70	54.00	-21.31	AV	PASS
V	12310.18	*	*	*	54.00	*	AV	PASS
V	14772.31	*	*	*	54.00	*	AV	PASS
V	17234.14	*	*	*	54.00	*	AV	PASS
H	4924.70	31.12	5.05	36.17	54.00	-17.83	AV	PASS
H	7386.32	23.38	9.83	33.21	54.00	-20.80	AV	PASS
H	9848.94	19.97	13.24	33.21	54.00	-20.80	AV	PASS
H	12310.42	*	*	*	54.00	*	AV	PASS
H	14772.95	*	*	*	54.00	*	AV	PASS
H	17234.66	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

ANNEX A TEST SETUP PHOTOS

Please refer to the document “8233EU012101W-AA.PDF”

ANNEX B EXTERNAL PHOTOS

Please refer to the document “8233EU012101W-AB.PDF”

ANNEX C INTERNAL PHOTOS

Please refer to the document “8233EU012101W-AC.PDF”

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